ABSTRACT OF THE DISCLOSURE

An image pickup device including an array of a plurality of pixels including photoelectric conversion portions for accumulating signal charges generated by photoelectric conversion and an amplifying transistor for amplifying the signal charges generated by the photoelectric conversion portion to output the amplified signal charges, the device comprising: a junction-type field effect transistor, including a main electrode made of first semiconductor region of a first conduction type connected to control electrode region of the amplifying transistor, and a control electrode region made of second semiconductor region of a second conductive type opposite to the first conductivity type having same electric potential as that of semiconductor region of the second conduction type included in a semiconductor region forming the photoelectric conversion portions; and an electric potential supplying circuit for supplying predetermined electric potential to the main electrode regions of the a junction-type field effect transistor.